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RAW SEQUENCE LISTING   DATE: 01/22/2003
PATENT APPLICATION: **US/10/054,536**   TIME: 15:15:43

Input Set : **A:\33614.txt**
Output Set: **N:\CRF4\01222003\J054536.raw**

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 4 <110> APPLICANT: Wakamiya, Nobutaka
 6 <120> TITLE OF INVENTION: RECOMBINANT HUMAN MANNAN-BINDING PROTEINS AND PROCESS
 7        FOR PRODUCING THE SAME
 9 <130> FILE REFERENCE: 19036/36614
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/054,536
C--> 12 <141> CURRENT FILING DATE: 2002-01-22
14 <150> PRIOR APPLICATION NUMBER: PCT/JP98/03311
15 <151> PRIOR FILING DATE: 1998-07-23
17 <150> PRIOR APPLICATION NUMBER: JP 10-11864
18 <151> PRIOR FILING DATE: 1998-01-23
20 <160> NUMBER OF SEQ ID NOS: 28
22 <170> SOFTWARE: PatentIn Ver. 2.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 3605
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
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30 <221> NAME/KEY: CDS
31 <222> LOCATION: (66)..(809)
33 <220> FEATURE:
34 <221> NAME/KEY: mat_peptide
35 <222> LOCATION: (126)..(809)
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40 ggacc atg tcc ctg ttt cca tca ctc cct ctc ctt ctc ctg agt atg gtg 110
41        Met Ser Leu Phe Pro Ser Leu Pro Leu Leu Leu Leu Ser Met Val
42        -20                 -15                 -10
44 gca gcg tct tac tca gaa act gtg acc tgt gag gat gcc caa aag acc  158
45 Ala Ala Ser Tyr Ser Glu Thr Val Thr Cys Glu Asp Ala Gln Lys Thr
46 -5                 -1  1               5                   10
48 tgc cct gca gtg att gcc tgt agc tct cca ggc atc aac ggc ttc cca  206
49 Cys Pro Ala Val Ile Ala Cys Ser Ser Pro Gly Ile Asn Gly Phe Pro
50            15                  20                  25
52 ggc aaa gat ggg cgt gat ggc acc aag gga gaa aag ggg gaa cca ggc  254
53 Gly Lys Asp Gly Arg Asp Gly Thr Lys Gly Glu Lys Gly Glu Pro Gly
54            30                  35                  40
56 caa ggg ctc aga ggc tta cag ggc ccc cct gga aag ttg ggg cct cca  302
57 Gln Gly Leu Arg Gly Leu Gln Gly Pro Pro Gly Lys Leu Gly Pro Pro
58     45                  50                  55
60 gga aat cca ggg cct tct ggg tca cca gga cca aag ggc caa aaa gga  350
61 Gly Asn Pro Gly Pro Ser Gly Ser Pro Gly Pro Lys Gly Gln Lys Gly
62 60                  65                  70                  75
64 gac cct gga aaa agt ccg gat ggt gat agt agc ctg gct gcc tca gaa  398
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65 Asp Pro Gly Lys Ser Pro Asp Gly Asp Ser Ser Leu Ala Ala Ser Glu
66               80                  85                  90
68 aga aaa gct ctg caa aca gaa atg gca cgt atc aaa aag tgg ctg acc 446
69 Arg Lys Ala Leu Gln Thr Glu Met Ala Arg Ile Lys Lys Trp Leu Thr
70           95                  100                 105
72 ttc tct ctg ggc aaa caa gtt ggg aac aag ttc ttc ctg acc aat ggt 494
73 Phe Ser Leu Gly Lys Gln Val Gly Asn Lys Phe Phe Leu Thr Asn Gly
74           110                 115                 120
76 gaa ata atg acc ttt gaa aaa gtg aag gcc ttg tgt gtc aag ttc cag 542
77 Glu Ile Met Thr Phe Glu Lys Val Lys Ala Leu Cys Val Lys Phe Gln
78     125                 130                 135
80 gcc tct gtg gcc acc ccc agg aat gct gca gag aat gga gcc att cag 590
81 Ala Ser Val Ala Thr Pro Arg Asn Ala Ala Glu Asn Gly Ala Ile Gln
82 140                 145                 150                 155
84 aat ctc atc aag gag gaa gcc ttc ctg ggc atc act gat gag aag aca 638
85 Asn Leu Ile Lys Glu Glu Ala Phe Leu Gly Ile Thr Asp Glu Lys Thr
86               160                 165                 170
88 gaa ggg cag ttt gtg gat ctg aca gga aat aga ctg acc tac aca aac 686
89 Glu Gly Gln Phe Val Asp Leu Thr Gly Asn Arg Leu Thr Tyr Thr Asn
90           175                 180                 185
92 tgg aac gag ggt gaa ccc aac aat gct ggt tct gat gaa gat tgt gta 734
93 Trp Asn Glu Gly Glu Pro Asn Asn Ala Gly Ser Asp Glu Asp Cys Val
94           190                 195                 200
96 ttg cta ctg aaa aat ggc cag tgg aat gac gtc ccc tgc tcc acc tcc 782
97 Leu Leu Leu Lys Asn Gly Gln Trp Asn Asp Val Pro Cys Ser Thr Ser
98     205                 210                 215
100 cat ctg gcc gtc tgt gag ttc cct atc tgaagggtca tatcactcag      829
101 His Leu Ala Val Cys Glu Phe Pro Ile
102 220                 225
104 gccctccttg tcttttact gcaacccaca ggcccacagt atgcttgaaa agataaatta 889
106 tatcaatttc ctcatatcca gtattgttcc ttttgtgggc aatcactaaa aatgatcact 949
108 aacagcacca acaaagcaat aatagtagta gtagtagtta gcagcagcag tagtagtcat 1009
110 gctaattata taatatttt aatatatact atgaggccct atcttttgca tcctacatta 1069
112 attatctagt ttaattaatc tgtaatgctt tcgatagtgt taacttgctg cagtatgaaa 1129
114 ataagacgga tttatttttc catttacaac aaacacctgt gctctgttga gccttccttt 1189
116 ctgtttgggt agagggctcc cctaatgaca tcaccacagt ttaataccac agctttttac 1249
118 caagtttcag gtattaagaa aatctatttt gtaactttct ctatgaactc tgttttcttt 1309
120 ctaatgagat attaaaccat gtaaagaaca taaataacaa atctcaagca aacagcttca 1369
122 caaattctca cacacataca tacctatata ctcactttct agattaagat atgggacatt 1429
124 tttgactccc tagaagcccc gttataactc ctcctagtac taactcctag gaaaatacta 1489
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132 attcctcagt tcatccattc tattgttaat aggcacttaa gtggcttcca atttttggcc 1729
134 atgaggaaga gaacccacga acattcctgg acttgtcttt tggtggacat ggtgcactaa 1789
136 tttcactacc tatccaggag tggaactggt agaggatgag gaaagcatgt attcagcttt 1849
138 agtagatatt accagttttc ctaagtgatt gtatgaattt atgctcctac cggcaatgtg 1909
140 tggcagtcct agatgctcta tgtgcttgta aaaagtcaat gttttcagtt ctcttgattt 1969
142 tcattattcc tgtggatgta aagtgatatt tccccatggt tttaatctgt atttccccaa 2029
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PATENT APPLICATION: US/10/054,536

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Input Set : A:\33614.txt
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144 catgtaataa ggttgaacac ttttttatat gcttattggg cacttgggta tcttcttctg 2089
146 tgaagtaccc gttcacattt ttgtattttg tttaaattag ttagccaata tttttcttac 2149
148 tgatttttaa gttattttta cattctgaat atgtcctttt taatgtgtat tacaaatatt 2209
150 ttgctagttt ttgacttgct cctaatgttg aattttgatg aacaaaattt cctaattttg 2269
152 agaaagtctt atttattcat attttctttc aaaattagtg cttttgtgt catgtttaag 2329
154 aaattttgc ccatcccaaa atcataagat attttcatg attgaaac catgaagaga 2389
156 tttttcatga ttttgaaatc atgaagatat ttttccattt ttttctaata gttttattaa 2449
158 taaacattct atctattcct ggtagaatag atatccactt gagacagcac tatgtaggaa 2509
160 agaccatttt tcctccactg aactagggtg gtgcatttt gtaagttagg taactgtatg 2569
162 tgtgtgtgtc tgtttctggg ctgtctattc tagtctattt gttgatgctt gtgtcaaaca 2629
164 gtacactatc ttaattattg tacatttata gttgtaactg tagtccagct ttgttcttct 2689
166 tcaagtcaag atttccatat aaatattaga aacagtttct caatttctac aaaatcctga 2749
168 tgaggtttct actgggacca cattgagtct atcaatcaac ttatgcagaa ctggcaactt 2809
170 actactgaat ctctaatcaa tgttcatcat gtatcgcttc atttaactag gatttctcta 2869
172 acttaattgc tatgttttga gatttttagt ttaaaaacct tgtatatctt gttttggtgg 2929
174 ttttagtgat tttaataata tattttaaat attttttctt ttctattgtt gtacacagaa 2989
176 atacagttaa gttttgtgtg tagtcttacg atgtttagta acctcaataa gtttatttct 3049
178 taaatctagt aatttgtaga ttcctctgga ttttgtatat gcatagtcat gtaagctgaa 3109
180 aatatggcaa tacttgcttc ttcccaattg ctttacctt tttcttacct tattgcactg 3169
182 gttagcaacc ccaatacaga gaccaccaga gcaggtatag actcctgaaa gacaatataa 3229
184 tgaagtgctc cagtcaggcc tatctaaact ggattcacag ctctgtcact taattgctac 3289
186 atgatctaga gccagttact ttgtgtttca gccatgtatt tgcagctgag agaaataat 3349
188 cattcttatt tcatgaaaat tgtgggggatg atgaaataag ttaacacctt taaagtgtgt 3409
190 agtaaagtat caggatacta tattttaggt cttaatacac acagttatgc cgctagatac 3469
192 atgctttta atgagataat gtgatattat acataacaca tatcgatttt taaaaattaa 3529
194 atcaaccttg ctttgatgga ataaactcca tttagtcaca aaaaaaaaa aaaaaaaaa 3589
196 aaaaaaaaaa aaaaaa                                                3605
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199 <210> SEQ ID NO: 2
200 <211> LENGTH: 747
201 <212> TYPE: DNA
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 2

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205 atgtccctgt ttccatcact ccctctcctt ctcctgagta tggtggcagc gtcttactca 60
207 gaaactgtga cctgtgagga tgcccaaaag acctgccctg cagtgattgc ctgtagctct 120
209 ccaggcatca acggcttccc aggcaaagat gggcgtgatg gcaccaaggg agaaaagggg 180
211 gaaccaggcc aagggctcag aggcttacag ggccccctg gaaagttggg gcctccagga 240
213 aatccagggc cttctgggtc accaggacca aagggccaaa aaggagaccc tggaaaaagt 300
215 ccggatggtg atagtagcct ggctgcctca gaaagaaaag ctctgcaaac agaaatggca 360
217 cgtatcaaaa agtggctgac cttctctctg ggcaaacaag ttgggaacaa gttcttcctg 420
219 accaatggtg aaataatgac ctttgaaaaa gtgaaggcct tgtgtgtcaa gttccaggcc 480
221 tctgtggcca cccccaggaa tgctgcagag aatggagcca ttcagaatct catcaaggag 540
223 gaagccttcc tgggcatcac tgatgagaag acagaagggc agtttgtgga tctgacagga 600
225 aatagactga cctacacaaa ctggaacgag ggtgaaccca caatgctgg ttctgatgaa 660
227 gattgtgtat tgctactgaa aaatggccag tggaatgacg tcccctgctc cacctccat 720
229 ctggccgtct gtgagttccc tatctga                                    747
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233 <211> LENGTH: 41
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence

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237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: sense DNA
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244 <210> SEQ ID NO: 4
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247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense DNA
252 <400> SEQUENCE: 4
253 acggcgcctt agctactaat ggcatgcctt aagcccggg                        39
256 <210> SEQ ID NO: 5
257 <211> LENGTH: 29
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: sense DNA
264 <400> SEQUENCE: 5
265 agcttccgcg gctgcaggga tccatcgat                                   29
268 <210> SEQ ID NO: 6
269 <211> LENGTH: 29
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense DNA
276 <400> SEQUENCE: 6
277 aggcgccgac gtccctaggt agctattaa                                   29
280 <210> SEQ ID NO: 7
281 <211> LENGTH: 37
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: 5' sense
287       primer (PS1)
289 <400> SEQUENCE: 7
290 ccccgcggga attctgtgga atgtgtgtca gttaggg                          37
293 <210> SEQ ID NO: 8
294 <211> LENGTH: 32
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Description of Artificial Sequence: 3' antisense
300       primer (PS2)
302 <400> SEQUENCE: 8
303 ccctgcagct ttttgcaaaa gcctaggcct cc                               32
306 <210> SEQ ID NO: 9
307 <211> LENGTH: 31
308 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 01/22/2003
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309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: 5' sense
313       primer (PS3)
315 <400> SEQUENCE: 9
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319 <210> SEQ ID NO: 10
320 <211> LENGTH: 16
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Description of Artificial Sequence: sense DNA
327 <400> SEQUENCE: 10
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331 <210> SEQ ID NO: 11
332 <211> LENGTH: 16
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense DNA
339 <400> SEQUENCE: 11
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343 <210> SEQ ID NO: 12
344 <211> LENGTH: 41
345 <212> TYPE: DNA
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:
349 <223> OTHER INFORMATION: Description of Artificial Sequence: 5' sense
350       primer (PD1)
352 <400> SEQUENCE: 12
353 ggctgcagtc cctcatgctt cgaccattga actgcatcgt c                   41
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357 <211> LENGTH: 32
358 <212> TYPE: DNA
359 <213> ORGANISM: Artificial Sequence
361 <220> FEATURE:
362 <223> OTHER INFORMATION: Description of Artificial Sequence: 3' antisense
363       primer (PD2)
365 <400> SEQUENCE: 13
366 atagatctaa agccagcaaa agtcccatgg tc                             32
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370 <211> LENGTH: 28
371 <212> TYPE: DNA
372 <213> ORGANISM: Artificial Sequence
374 <220> FEATURE:
375 <223> OTHER INFORMATION: Description of Artificial Sequence: 5' sense
376       primer (PN1)
378 <400> SEQUENCE: 14
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/054,536**

DATE: 01/22/2003
TIME: 15:15:44

Input Set : **A:\33614.txt**
Output Set: **N:\CRF4\01222003\J054536.raw**

L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date